WHAT IS CLAIMED IS:

1.   A data communication system comprising:

request judging means for judging whether or not a terminal unit of a caller is requesting data communication based on a call signal given from the terminal unit;

connection instructing means for instructing to connect a line for transmitting/receiving signals to/from the terminal unit;

line control means for connecting the line in response to an instruction from the connection instructing means;

transmission/receiving control means for data communication, capable of controlling transmission/receiving of signals indicative of data on the basis of a communication protocol preset for the data communication; and

communication control means, in response to a result of judgement of the request judging means, for, in the case where the data communication is requested, causing the line control means to connect the line to compare an authorization given from the terminal unit via the line with a reference authorization defined in advance and for causing the transmission/receiving control means to start to control the transmission/receiving of the signals only when the authorization coincides with the reference authorization.

2.   The data communication system of claim 1, further comprising:

storing means for storing at least one of predetermined sets of transmission object data,

wherein when the terminal unit requests to transmit data other than the predetermined sets of transmission object data after starting the control of the transmission/receiving of the signal, the communication control means causes the transmission/receiving control means to convert any one of the predetermined sets of transmission object data into signals on the basis of the communication protocol and transmit the signals, and

when the terminal unit requests to transmit any one of the predetermined sets of transmission object data, the communication control means causes the transmission/receiving control means to convert the requested set of transmission object data into signals on the basis of the communication protocol and transmit the signals.

3. The data communication system of claim 1, comprising:

storing means for storing at least one of the predetermined sets of transmission object data,

wherein the terminal unit transmits the request to transmit any one of the predetermined sets of transmission object data and one or more predetermined conditions of judgment, after starting the control of the transmission/receiving of the signal; and

wherein the communication control means judges whether or not the transmitted one or more conditions of judgment satisfy one or more predetermined reference conditions for allowing the requested set of transmission object data to be transmitted in response to the request from the terminal unit and only when the one or more conditions of judgment satisfy the one or more predetermined reference condition the communication control means causes the transmission/receiving control means to convert the requested set of transmission object data into signals on the basis of the communication protocol and transmit the signals.

4. The data communication system of claim 3, wherein one of the one or more conditions of judgment is the specification of the terminal unit related to processing of the set of transmission object data.

5. The data communication system of claim 3, wherein the terminal unit further comprises imaging means for imaging the set of transmission object data, and one of the one or more conditions of judgment is the specification of the imaging means related to imaging the set of transmission object data.

6. The data communication system of claim 3, wherein the line contains a part of a public line network, and one of the conditions of judgment is an identification number for discriminating the terminal unit within the public line network.

7. The data communication system of claim 3, wherein one of the one or more conditions of judgment is predetermined authorization.

8. The data communication system of claim 3, further comprising storing means for storing at least one of predetermined sets of transmission object data; that the terminal unit transmits the request to transmit any one of the predetermined sets of transmission object data and one or more predetermined conditions of judgment after starting the control of the transmission/receiving of the signal; and that the communication control means judges whether or not the transmitted one or more conditions of judgment satisfy one or more predetermined reference conditions for allowing the requested set of transmission object data to be transmitted in response to the request from the terminal unit and when the one or more conditions of judgment satisfy the one or more predetermined reference condition the communication control means causes the transmission/receiving control means to convert the requested set of transmission object data into signals on the basis of the communication protocol and transmit the signals, and when the one or more conditions of judgment do not satisfy the one or more reference conditions the communication control means causes the transmission/receiving control means to convert transmission object data other than

the requested transmission object data into signals on the basis of the communication protocol and transmit the signals.

9. The data communication system of claim 8, wherein one of the one or more conditions of judgment is the specification of the terminal unit related to processing of the set of transmission object data.

10. The data communication system of claim 8, wherein the terminal unit further comprises imaging means for imaging the set of transmission object data, and one of the one or more conditions of judgment is the specification of the imaging means related to imaging the set of transmission object data.

11. The data communication system of claim 8, wherein the line contains a part of a public line network, and one of the conditions of judgment is an identification number for discriminating the terminal unit within the public line network.

12. The data communication system of claim 8, wherein one of the one or more conditions of judgment is predetermined authorization.

13. The data communication system of claim 1, further comprising received-data storage means capable of storing data and that the communication control means stores data indicated by the received signals in the received-data storage means.

14. The data communication system of claim 1, wherein the communication protocol is a communication protocol used for data communication on Internet.

15. A data communication system, capable of making data communication with a terminal unit of a caller via a communication apparatus which comprises connection instructing means for instructing to connect a line for transmitting/receiving signals and line control means for connecting the line with the terminal unit in response to the instruction from the connection instructing means, the data communication system comprising:

request judging means for judging whether or not the terminal unit is requesting data communication on the basis of a call signal given from the terminal unit of the caller;

transmission/receiving control means for data communication, capable of controlling transmission/receiving of signals indicative of data based on a communication protocol preset for the data communication; and

communication control means for causing the line control means to connect the line when the data communication is requested in response to a result of judgment of the request judging means, for comparing authorization given from the terminal unit via the line with reference authorization defined in advance and for causing the transmission/receiving control means to start to control the transmission/receiving

76

of the signals only when the authorization coincides with the reference authorization.

16. A medium storing a communication control program for causing a computer to have data communication with a terminal unit of a caller via a communication apparatus which comprises connection instructing means for instructing to connect a line for transmitting/receiving signals, and line control means for connecting the line with the terminal unit of the caller in response to the instruction from the connection instructing means,

wherein the communication control program causes the computer to judge whether or not the terminal unit is requesting data communication based on a call signal given from the terminal unit, causes the line control means to connect the line when the data communication is requested, causes the computer to compare authorization given from the terminal unit via the line with the reference authorization defined in advance and causes the transmission/receiving control means to start to control the transmission/receiving of the signals indicating data based on a communication protocol preset for data communication only when the authorization coincides with the reference authorization.